

Form PTO-1449
(Rev. 8-83)U.S. Department of Commerce
Patent and Trademark Office

Atty Docket 0756-1724

Serial No. 08/943,238

INFORMATION DISCLOSURE STATEMENT

Applicants: Masaaki HIROKI et al.

Filing Date: October 01, 1997

Group Art Unit: 2814

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
<i>GP</i>	5,340,999	08/23/1994	Takeda et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
<i>GP</i>	03-036767	02/18/1994	JP			Full Eng	
<i>GP</i>	56-069864	08/11/1981	JP			Eng Abst	
<i>GP</i>	59-141271	08/13/1984	JP			Eng Abst	

Examiner *[Signature]*Date Considered *12/02/03*

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449
(Rev. 8-83)U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No. 0756-1724

Serial No. 08/943,238

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant: Masaaki HIROKI et al.

(9)

Filing Date: October 3, 1997

Group: 2814

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
SN	3,838,209	09/24/74	Tsuchiya et al			
	4,600,274	07/15/86	Morozumi			
	4,538,862	03/31/87	Morozumi			
	4,120,403	12/29/87	Morozumi			
	RE 3,882	04/14/92	Morozumi			
	2,235,195	08/10/93	Tran et al			
	4,770,502	09/13/88	Kitazima et al			
	5,016,610	05/21/91	Meguro et al			
	5,329,390	07/12/94	Fujiwara et al			
	4,650,543	03/17/87	Kishita et al			
	4,960,719	10/02/90	Tanaka et al			
SN	4,597,637	07/01/86	Ohta			

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes No
SN	58-27365	02/18/83	Japan			Full
	49-52598	05/22/74	Japan			Abstract
	52-76897	06/28/77	Japan			Abstract
	59-61818	04/09/84	Japan			Abstract
	1-107237	04/25/89	Japan			Abstract
	2-16596	01/19/90	Japan			Abstract
	60-154996 (with Concise Statement)	10/16/85	Japan			X
	GB 1 396 486	06/04/75	United Kingdom			
	GB 2,130,781	06/06/84	United Kingdom			
	61-136263	06/24/86	Japan			Abstract
	64-68728	03/14/89	Japan			Abstract
	62-283664	12/09/87	Japan			Abstract
SN	GB 2 187 859	09/16/87	United Kingdom			

Examiner

Date Considered

07/19/03

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**INFORMATION DISCLOSURE STATEMENT
CORRECTED**

(Use several sheets if necessary)

Applicant: Masaaki HIROKI et al. (9)

Filing Date: October 3, 1997

Group: 2814

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
SA	4,752,774	06/21/88	Clerc et al			
SA	5,084,905	01/1992	Sasaki et al			

**FOREIGN PATENT DOCUMENTS**

	Document Number	Date	Country	Class	Subclass	Translation Yes No
SA	64-68724	03/14/89	Japan			
SA	63-100777	05/02/88	Japan			Abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner

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09/01/03

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INFORMATION DISCLOSURE STATEMENT

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Applicants: Masaaki HIROKI et al. (18)

Filing Date:
October 3, 1997

Group Art Unit: 2814

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
	5,206,635	4/27/93	Inuzuka et al.			
	5,854,879	12/29/98	Inuzuka et al.			
	5,182,620	1/26/93	Shimada et al.			

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes No
2-199498 -	8/7/90	JP			Abstract
3-288824 -	12/19/91	JP			Abstract
4-283729	10/8/92	JP			Abstract
4-291240	10/15/92	JP			Abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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Applicant: Masaaki HIROKI et al.

Filing Date: 10/01/97

Group: 2814

U.S. PATENT DOCUMENTS

Examiner Initial	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (if approp.)

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
SP	4-291240	10/15/92	Japan	1	1	Full	
SP	4-283729	10/08/92	Japan			Full	

OTHER DOCUMENTS (Including Author, Title, Relevant Pages, Date, Place of Publication)

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Filing Date: October 01, 1997

Group Art Unit: 2814

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
SM	4,068,020	01/10/1978	Reuschel	1		
	4,365,013	12/21/1982	Ishioka	1		
	4,378,417	03/29/1983	Maruyama et al.	1		
	4,420,870	12/20/1983	Kimura	1		
	4,468,855	09/04/1984	Sasaki	1		
	4,528,480	07/09/1985	Unagami	1		
	4,591,892	05/27/1986	Yamazaki	1		
	4,597,160	07/01/1986	Ipri	1		
	4,646,426	03/03/1987	Sasaki	1		
	4,727,044	02/23/1988	Yamazaki	1		
	4,740,829	04/26/1988	Nakagiri et al.	1		
	4,755,865	07/05/1988	Wilson et al.	1		
	4,860,069	08/22/1989	Yamazaki	1		
	4,862,237	08/29/1989	Morozumi	1		
	4,888,305	12/19/1989	Yamazaki et al.	1		
	4,891,330	01/02/1990	Guha et al.	1		
	4,897,360	01/30/1990	Guckel et al.	1		
	4,905,066	02/27/1990	Dohjo et al.	1		
	4,959,700	09/25/1990	Yamazaki	1		
	4,969,025	11/06/1990	Yamamoto et al.	1		
	4,969,031	11/06/1990	Kobayashi et al.	1		
	4,986,213	01/22/1991	Yamazaki et al.	1		
	5,003,356	03/01/1991	Wakai et al.	1		
	5,023,679	06/11/1991	Shibata	1		
	5,051,570	09/01/1991	Tsujikawa et al.	1		
	5,077,223	12/31/1991	Yamazaki	1		
	5,084,905	01/01/1992	Sasaki et al.	1		
	5,132,754	07/21/1992	Serikawa et al.	1		
	5,132,821	07/21/1992	Nicholas	1		
	5,142,344	08/25/1992	Yamazaki	1		
CH	5,182,620	01/26/1993	Shimada et al.	1		

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19/01/03

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10/04/2000

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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
SM	5,245,452	09/14/1993	Nakamura et al.			
	5,250,818	10/05/1993	Saraswat et al.			
	5,289,030	02/22/1994	Yamazaki et al.			
	5,302,845	04/12/1994	Kumagai et al.			
	5,308,998	05/03/1994	Yamazaki et al.			
	5,313,077	05/17/1994	Yamazaki			
	5,315,132	05/24/1994	Yamazaki			
	5,327,901	07/12/1994	Delente			
	5,358,810	10/25/1994	Yoshimo			
	5,495,353	02/01/1996	Yamazaki et al.			
	5,521,107	05/28/1996	Yamazaki et al.			
	5,543,636	08/06/1996	Yamazaki			
	5,624,799	03/18/1997	Yamazaki et al.			
	5,744,818	04/28/1998	Yamazaki			
	6,013,928	01/11/2000	Yamazaki et al.			

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Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes	No
SM	0 161 555	11/21/1985	EP			Engl.	
	0 412 701	02/13/1991	EP			Engl.	
	01 -241862	09/26/1989	Japan			Full	
	01-156725	06/20/1989	Japan			Full	
	01-183845	07/21/1989	Japan			Abst.	
	01-194351	08/04/1989	Japan			Abst.	
	01-274117	11/01/1989	Japan			Abst.	
	01-289917	11/21/1989	Japan			Abst.	
	01-321073	12/27/1989	Japan			Abst.	
	02 -210330	08/21/1990	Japan			Full	
	02 -234134	09/17/1990	Japan			Full	
	02-027320	01/30/1990	Japan			Abst.	
	02-090683	03/30/1990	Japan			Abst.	

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Form PTO-449
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INFORMATION DISCLOSURE STATEMENT

Applicants: Masaaki HIROKI et al.

(14)

Filing Date: October 01, 1997

Group Art Unit: 2814

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
SW	02-103925	04/17/1990	Japan			Abst.	
	02-159730	06/19/1990	Japan			Full	
	02-211428	08/22/1990	Japan			Abst.	
	02-228041	09/11/1990	Japan			Abst.	
	02-228042	09/11/1990	Japan			Abst.	
	02-281291	11/16/1990	Japan			Abst.	
	02-307273	12/20/1990	Japan			Abst.	
	02-309317	12/25/1990	Japan			Abst.	
	03-007911	01/16/1991	Japan			Abst.	
	03-024735	02/01/1991	Japan			Abst.	
	03-034434	02/14/1991	Japan			Abst.	
	03-059543	03/14/1991	Japan			Abst.	
	03-109739	05/09/1991	Japan			Abst.	
	03-165575	07/17/1991	Japan			Abst.	
	03-180058	08/06/1991	Japan			Abst.	
	03-185839	08/13/1991	Japan			Abst.	
	03-217059	09/24/1991	Japan			Abst.	
	03-272183	12/03/1991	Japan			Abst.	
	04-283729	10/08/1992	Japan			Full	
	04-291240	10/15/1992	Japan			Full	
	04-015956	01/21/1992	Japan			Abst.	
	04-291240	10/15/1992	Japan			Abst.	
	04-299864	10/23/1992	Japan			Abst.	
	04-360580	12/14/1992	Japan			Abst.	
	05-267667	10/15/1993	Japan			Abst.	
	53-027483	03/14/1978	Japan			Full	
	53-144297	12/15/1978	Japan			Abst.	
	55-032026	03/06/1980	Japan			Full	
	58-002073	01/07/1983	Japan			Full	
	58-023478	02/12/1983	Japan			Abst.	
	58-023479	02/12/1983	Japan			Abst.	

Examiner

Date Considered 18/07/3

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Form PTO-2449
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Serial No. 08/943,238

INFORMATION DISCLOSURE STATEMENT

Applicants: Masaaki HIROKI et al. (14)

Filing Date: October 01, 1997

Group Art Unit: 2814

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
[Signature]	58-105574	06/23/1983	Japan			Abst.	
	58-106861	06/25/1983	Japan			Abst.	
	58-115864	07/09/1983	Japan			Abst.	
	58-118154	07/14/1983	Japan			Full	
	58-142566	08/24/1983	Japan			Abst.	
	58-164268	09/29/1983	Japan			Abst.	
	59-021067	02/02/1984	Japan			Abst.	
	60-047574	03/14/1985	Japan			Abst.	
	60-245173	12/04/1985	Japan			Full	
	60-245174	12/04/1985	Japan			Full	
	62-073658	04/04/1987	Japan			Abst.	
	62-073660	04/04/1987	Japan			Abst.	
	62-131575	06/13/1987	Japan			Abst.	
	62-193277	08/25/1987	Japan			Abst.	
	62-214669	09/21/1987	Japan			Abst.	
	63-009978	01/16/1988	Japan			Abst.	
	63-066969	03/25/1988	Japan			Abst.	
	63-070832	03/31/1988	Japan			Abst.	
	63-096636	04/27/1988	Japan			Abst.	
	63-119578	05/24/1988	Japan			Abst.	
	63-126277	05/30/1988	Japan			Abst.	
	63-178560	07/22/1988	Japan			Abst.	
	63-219152	09/12/1988	Japan			Abst.	
	63-279228	11/18/1988	Japan			Full	
	63-283068	11/18/1988	Japan			Abst.	
	64-089464	04/03/1989	Japan			Abst.	

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Examiner Initial	
[Signature]	Wallmark et al., "Field-Effect Transistors Physics, Technology and Applications", 1968, pp. 199, MOS Field-Effect Transistors Sec. 8-3
Examiner	Date Considered 12/10/93

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10/04/2000

Form PTO-4449
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INFORMATION DISCLOSURE STATEMENT

Applicants: Masaaki HIROKI et al. (15)

Filing Date: October 01, 1997

Group Art Unit: 2814

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial	
91	Wilmsen, "Chemical Composition and Formation of Thermal and Anodic Oxide/III-V Compound Semiconductor Interfaces", Sept.-Oct. 1981, pp. 279-287, J. Vacuum Society. Technology, Vol. 19, No. 3
92	Millman et al., "Microelectronics", 1988, pp. 143, McGraw-Hill Book Company, Second Edition
	Cobbold, "Theory and Applications of Field-Effect Transistors", 1971, pp. 62, Field-Effect Transistors



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Date Considered 05/12/17

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10/04/2000

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Group Art Unit: 2814

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
SL	03-059543	03/14/1991	JP			Full Eng	

Examiner

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CA	4,838,654	06/13/1989	Hamaguchi et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes	No
gm	02-002522	01/08/1990	JP			Eng Abst	
	02-278749	11/15/1990	JP			Full Eng	
	55-154750	12/02/1980	JP			Eng Abst	
gc	63-101829	05/06/1988	JP			Eng Abst	

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01/08/2001

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U.S. PATENT DOCUMENTS

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GR	4,916,090	04/10/1990	Motai et al.			
	4,943,837	07/24/1990	Konishi et al.			
	5,093,703	03/03/1992	Minami et al.			

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SL	64-068732	03/14/1989	JP			Eng Abst	

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gu	3,798,752	03/26/1974	Fujimoto			
	4,466,172	08/21/1984	Batra			
	4,988,643	01/29/1991	Tsou			
	5,102,361	04/07/1992	Katayama et al.			
	5,162,901	11/10/1992	Shimada et al.			
	5,194,136	03/16/1993	Jeung et al.			
	5,200,846	04/06/1993	Hiroki et al.			
	5,273,910	12/28/1993	Tran et al.			
	5,287,205	02/15/1994	Yamazaki et al.			
	5,568,288	10/22/1996	Yamazaki et al.			
	5,933,205	08/03/1999	Yamazaki et al.			
	5,956,105	09/21/1999	Yamazaki et al.			
	5,963,278	10/05/1999	Yamazaki et al.			

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Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
gu	01-183853	07/21/1989	JP			Full Eng	
	03-017629	01/25/1991	JP			Eng Abst	
	58-186967	11/01/1983	JP			Eng Abst	
	58-192379	11/09/1983	JP			Full Eng	
	62-105474	05/15/1987	JP			Eng Abst	
	64-012576	01/17/1989	JP			Eng Abst	

OTHER DOCUMENT (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner Initial	
gu	Inventors: Yamazaki et al., Specification & Drawings for US Patent Application No. 09/344,373, Filed: June 25, 1999
	Inventors: Yamazaki et al., Specification & Drawings for US Patent Application No. 09/233,145, Filed: January 19, 1999
	Inventors: Hiroki et al., Specification & Drawings for US Patent Application No. 09/300,596, Filed: April 28, 1999
gn	Inventor: Yamazaki, Specification & Drawings for US Patent Application No. 90/005,691, Filed: March 31, 2000

Examiner

Date Considered 03/12/03

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11/06/2001

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PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	08/943,238
				Filing Date	October 1, 1997
				First Named Inventor	Masaaki HIROKI et al.
				Group Art Unit	2814
				Examiner Name	S. Rao
Sheet	1	of	1	Attorney Docket Number	0756-1724

U.S. PATENT DOCUMENTS						
Examiner Initials [*]	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
GR		4,648,691		Oguchi et al.	03/10/1987	

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GR		JP	56-094386	-		07/30/1981		Abstract
		JP	62-219574	-		09/26/1987		Abstract
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		JP	64-018266*			01/23/1989		Abstract

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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GR		T. Yanagisawa et al., "An MOS Array with Platinum Display Electrodes for Reflective Dynamic Scattering LCDs." SID 81 DIGEST, pp. 110-111, 1981.	English
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